**U.S. Geological Survey Open-File Report 2005-1001**
**USGS East-Coast Sediment Analysis: Procedures, Database, and GIS Data**

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# GIS DATA CATALOG (version 3.0)

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Data in this publication are provided with geographic coordinates to allow the data to be integrated into a Geographic Information System (GIS). A GIS is defined as a system of hardware and software to support the display, manipulation, and analysis of spatial data for mapping and complex data solving. This integrated package provides researchers the ability to integrate, analyze and map the various datasets to help with economic and social policy-making decisions regarding the environment.

The data in this version of the publication have been updated from version 2.2. Minor errors in the previous version of the U.S. Geological Survey East-Coast Sediment Texture Database have been corrected and samples analyzed between 2011 and 2014 have been appended to the database. These data have been reviewed by the analyst, the manager of the Sedimentation Laboratory, the submitting scientists, and the Woods Hole Coastal and Marine Science Center's data reviewer. A suggested citation for the new version of the database is as follows:

McMullen, K.Y., Paskevich, V.F., and Poppe, L.J., 2014, GIS data catalog, *in* Poppe, L.J., McMullen, K.Y., Williams, S.J., and Paskevich, V.F., eds., 2014, USGS east-coast sediment analysis: Procedures, database, and GIS data (ver. 3.0, November 2014), U.S. Geological Survey Open-File Report 2005-1001, http://pubs.usgs.gov/of/2005/1001/.

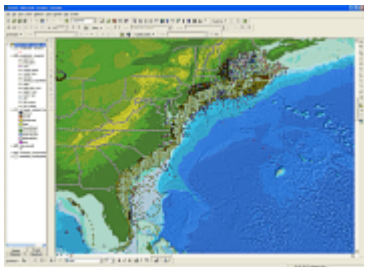

**Image showing data displayed in Esri's ArcGIS software.**

This project uses the Esri ArcView™ and ArcGIS™ software as its Geographic Information System (GIS) mapping tool. Data layers archived here should not require additional processing to be utilized within the Esri software. This does not mean that a user will not wish to do additional processing, especially if utilizing a different GIS software package or spheroid, but that it is not necessary to do additional processing simply to utilize the data in its minimum archive format

For those who don't have the Esri software or a compatible GIS data browser available on their computer, a free viewer, ArcGIS Explorer™, is available from Esri. There is no prepared project file for use with ArcGIS Explorer™. If the user chooses ArcGIS Explorer™, it will be necessary to add the selected data layers to their defined project file.

Each GIS data layer from this publication is cataloged below for easy access. The individual data layers are described below and include the shapefile name (for example, *ecstdb2014*), which is linked to a browse graphic showing the data layer extent and coverage. Selecting the data layer name will result in the browse graphic being displayed in a separate browser window.

Federal Geographic Data Committee (*FGDC*) metadata for the individual data layers is provided in three versions (HTML, FAQ, text). Selecting associated metadata files from the table below will open the information in a new browser window. An Esri Extensible Markup Languge (XML) version of the metadata are also available in the individual data directories. This version of the metadata is made available for use with Esri's *ArcCatalog* software.

A compressed, downloadable archive file (ZIP) containing the elements comprising the Esri shapefile for each data layer is also provided. Compressed downloadable files were created using the Windows program WINZIP version14.5. In addition to the Esri shapefile, the surficial sediment data layers are available in an ASCII text format and Microsoft Excel spreadsheet formats to allow users who may not have access to GIS software to have access to the source data in an alternate way to view and examine the datasets. The first record of the ASCII file and Microsoft Excel spreadsheet contains the name of the data fields for that file.

**Data Catalog Update History**

This report was updated in February 2011 to version 2.1. Samples collected between December 2004 and January 2011 were appended to the database and known errors in previously published data were corrected.

Version 2.2 was posted February 2012. Minor errors in previously published data were corrected.

Version 3.0 was posted in November 2014. Samples collected between January 2011 and January 2014 were appended to the database and minor errors in previously published data were corrected.

Individuals interested in accessing earlier versions of the USGS East-Coast Sediment Texture Database may do so by mail or phone at:

Sediment Laboratory Manager
U.S. Geological Survey
384 Woods Hole Road
Woods Hole, MA 02543
Tel: 508-548-8700

## SURFICIAL SEDIMENT

**DIRECTORY: data/surficial_sediments**

| DATA LAYER NAME AND DESCRIPTION | METADATA | FILES |
|---|---|---|
| **ecstdb2014** -- USGS East-Coast Sediment Texture Database including samples analyzed through January 2014 (Geographic, WGS84)<br><br>Click here for the U.S. East Coast detail view<br><br>This database may be periodically updated. Individuals interested in accessing the latest version should check the Sediment Texture link in the Online Data section of the Woods Hole Coastal and Marine Science Center's home page. | HTML<br>FAQ<br>text | zip |

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## GEOLOGY

**DIRECTORY: data/conmapsg**

| DATA LAYER NAME AND DESCRIPTION | METADATA | FILES |
|---|---|---|
| conmapsg - Continental Margin Mapping Program (CONMAP) sediment grainsize distribution for the United States East Coast Continental Margin **Type**: feature - polygon shapefile | HTML<br>FAQ<br>TEXT | zip |

## BASEMAP DATA

**DIRECTORY:** data/basemaps

| DATA LAYER NAME AND DESCRIPTION | METADATA | FILES |
|---|---|---|
| state_bounds - internal U.S. State boundaries **Type**: feature - polyline shapefile | HTML FAQ TEXT | zip |
| srtm30plus-na_pctshade - SRTM30PLUS color-encoded shaded relief image of North America (approximately 1km) **Type**: GeoTIFF image | HTML FAQ TEXT | zip |
| srtm30plus-world_pctshade - SRTM30PLUS color encoded shaded relief world topography (approximately 4km) **Type**: GeoTIFF image | HTML FAQ TEXT | zip |

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